

**In the claims:**

1. (Currently Amended) An installation for the treatment and further processing of thermoplastics, comprising

- ~~a screw-type compounding unit~~ an extruder (1), which has
  - a housing (2),
  - at least one screw (5, 5') disposed in the housing (2),
  - an electric motor (6) coupled with the at least one screw (5, 5'), and
  - at least one metering device (10, 14) with a metering motor (12, 15);
- a processing unit (26, 30) directly downstream of the ~~screw-type compounding unit~~ extruder (1) and intermittently drivable at a cycle time  $t_T$ ,
  - which has a drive (28) to be actuated at a cycle time  $t_T$ , and
- a control unit (29), which is connected with the electric motor (6) that serves for ~~actuation~~ driving of the at least one screw (5, 5'), with the metering motor (12, 15) of the at least one metering device (10, 14) and with the drive (28) of the processing unit (26, 30), and
  - which is formed for triggering the electric motor (6) and the at least one metering motor (12, 15) by the cycle time  $t_T$  of the processing unit (26, 30) only when a melt strand (38) is to be extruded to the processing unit (26, 30), and
- wherein the control unit (29) is formed such that the electric motor (6) for driving of the at least one screw (5, 5') and the at least one metering motor (12, 15) have identical run-up times  $t_H$ ; and  
wherein the control unit (29) is formed such that the electric motor (6) for driving of the at least one screw (5, 5') and the at least one metering motor (12, 15) have identical deceleration times  $t_B$ .

2. (Cancelled)

3. (Cancelled)

4. (Original) An installation according to claim 1, wherein  $t_T \leq 5$  min. applies to the cycle time  $t_T$ .

5. (Original) An installation according to claim 4, wherein  $t_T \leq 2$  min. applies to the cycle time  $t_T$ .
6. (Original) An installation according to claim 5, wherein  $t_T \leq 40$  sec. applies to the cycle time  $t_T$ .
7. (Currently Amended) An installation according to claim 1, wherein the ~~screw-type compounding unit~~ extruder (1) comprises a first metering device (10) and a second metering device (14).
8. (Currently Amended) An installation according to claim 1, wherein the ~~screw-type compounding unit~~ extruder (1) comprises an inlet (16) for rovings (17).
9. (Original) An installation according to claim 1, wherein the processing unit is a plunger-injection molding machine (30).
10. (Withdrawn) An installation according to claim 1, wherein the processing unit is a press (26).
11. (Withdrawn) An installation according to claim 10, wherein an intermittently drivable cutting unit (21) is disposed downstream of the ~~screw-type compounding unit~~ (1).
12. (Withdrawn) An installation according to claim 10, wherein an intermittently drivable conveying device (23) is disposed upstream of the press (26).
13. (Currently Amended) An installation according to claim 1, wherein the ~~screw-type compounding unit~~ extruder (1) is a twin-screw machine.
14. (Currently Amended) An installation according to claim 1, wherein the ~~screw-type compounding unit~~ extruder (1) is a twin-screw extruder.

15. (Withdrawn) An installation according to claim 11, wherein an intermittently drivable conveying device (23) is disposed upstream of the press (26).

16. (Withdrawn) A method for the operation of an installation for the treatment and further processing of thermoplastics, comprising

- a screw-type compounding unit (1), which has
  - a housing (2),
  - at least one screw (5, 5') disposed in the housing (2),
  - an electric motor (6) coupled with the at least one screw (5, 5'), and
  - at least one metering device (10, 14) with a metering motor (12, 15);
- a processing unit (26, 30) directly downstream of the screw-type compounding unit (1) and intermittently drivable at a cycle time  $t_T$ ,
- which has a drive (28) to be actuated at a cycle time  $t_T$ , and
- a control unit (29), which is connected with the electric motor (6) that serves for actuation of the at least one screw (5, 5'), with the metering motor (12, 15) of the at least one metering device (10, 14) and with the drive (28) of the processing unit (26, 30), and
- which is formed for triggering the electric motor (6) and the at least one metering motor (12, 15) by the cycle time  $t_T$  of the processing unit (26, 30),

wherein the electric motor (6) and the at least one metering motor (12, 15) are triggered by the cycle time  $t_T$  of the processing unit (26, 30).

17. (Withdrawn) A method according to claim 16, wherein the electric motor (6) for actuation of the at least one screw (5, 5') and the at least one metering motor (12, 15) are triggered by identical run-up times  $t_H$ .

18. (Withdrawn) A method according to claim 16, wherein the electric motor (6) for actuation of the at least one screw (5, 5') and the at least one metering motor (12, 15) are triggered by identical deceleration times  $t_B$ .